

Milla Digital – Zaragoza Open City



Gnome Hackfest, Zaragoza, May 2010



CITIZENS' COMFORT: A COMPACT, WALKABLE, LIVABLE, MEDITERRANEAN CITY



HERITAGE & MIXED IDENTITY: ROMAN CAESARAUGUSTA = ARAB SARAQUSTA = CHRISTIAN ZARAGOZA



Palacio de la Aljafería (Zaragoza)

Open, livable city, much greener than seemed



- ▶ Waterfront regeneration: 56 km.
- ▶ Cycling lanes: 20 Km.
- ▶ New green areas: + extra 250 Ha. Since 2008



An Open City: profile

Pop.: 701.000 (5th largest Spanish city);

**Pop. Growth: +14%
(2000-2009)**

Foreign population:13%

University Town: (30.000 students, 9.000 in tech. Degrees)

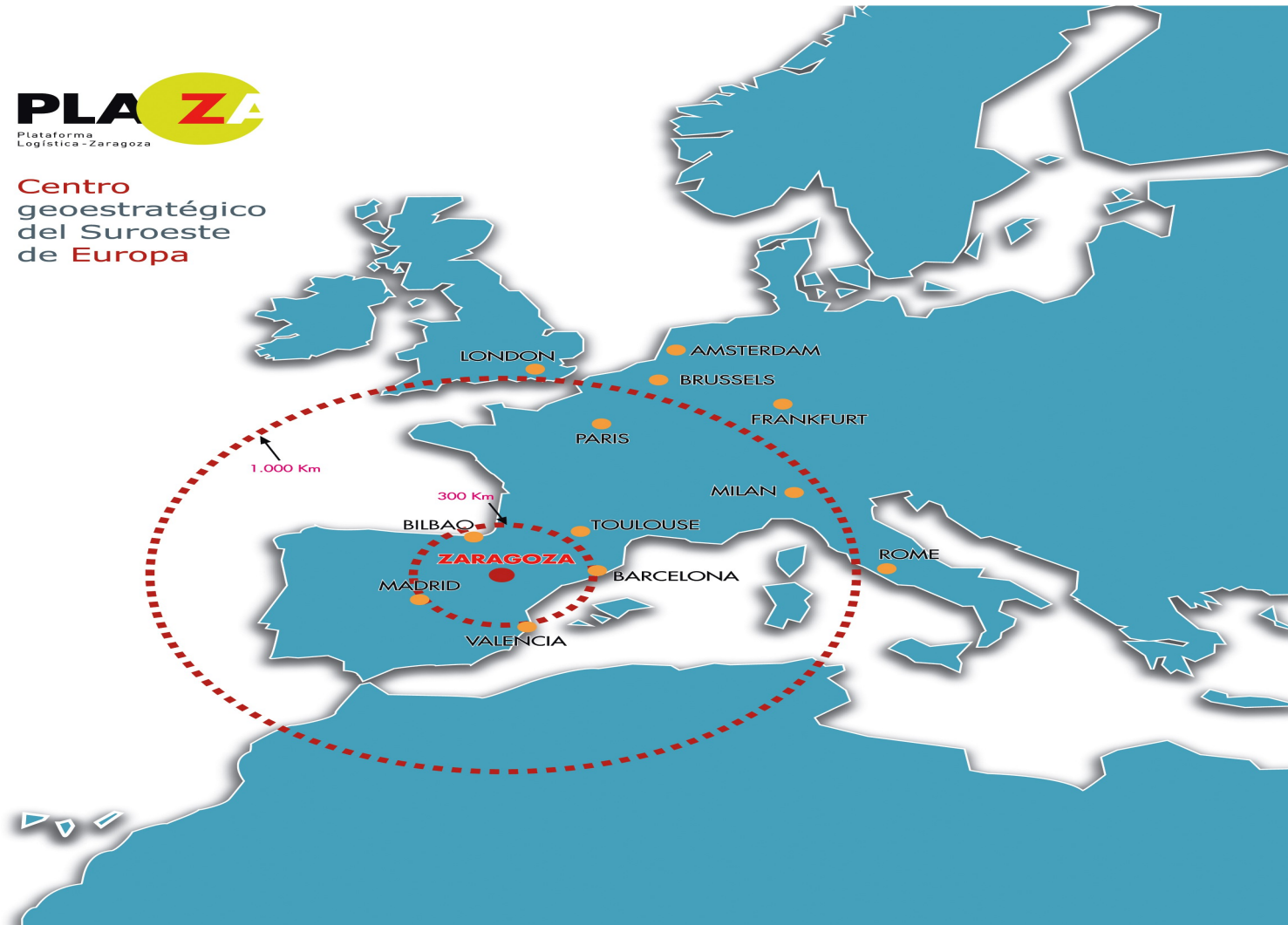
Industrial Centre: Car manufacturing (GM Plant - 50% of exports), paper, industrial machinery, recycling



An Open city: connections



Centro
geoestratégico
del Suroeste
de Europa



An Open Source District: Digital Mile



- ▶▶ Open knowledge
- ▶▶ Open networks
- ▶▶ Open architecture
- ▶▶ Open Software
- ▶▶ Open opportunities for all

Positioning Zaragoza among most dynamic mid-sized European cities
with the Open Source city strategy

New approach: From “digital district” concept to “open city” concept

Digital Mile goals: fostering innovation and social involvement



- Create an urban platform for innovation and creativity combined with multi-purpose facilities and quality public spaces

- Attract IT and Creative Sector’s companies: new, high-skilled jobs

- Multifunctionality Work as a LIVING LAB

INCLUSION:
Facilitate access to all citizens to IT skills and digital culture



DIGITAL MILE + EXPO

THE POWERFUL NEW CONTINUUM OF THE CITY





Digital Mile conforms an urban continuity with the former 2008 Expo site in Ranillas: 132 Ha currently being converted into 410.000 sq m of new offices, facilities and business park

DIGITAL MILE



- 0 Centro de Incubación Empresarial
- 1 Centro de Arte y Tecnología
- 2 Digital Water Pavilion
- 3 Teatro del Agua
- 4 Pasarela peatonal
- 5 Estación de Delicias (AVE, cercanías, autobuses)
- 6 Edificio de viviendas y oficinas Trevoli
- 7 Torre de pisos y oficinas
- 8 Edificio de oficinas Zaragoza Bicentenario (ZAB)
- 9 Viviendas
- 10 Caixaforum
- 11 Viviendas y comercio
- 12 Centro Médico de Especialidades (CME)

DELICIAS

- 13 Paseo del Agua
- 14 Centro de Salud
- 15 Viviendas y oficinas
- 16 Torre de oficinas y comercio
- 17 Museo de la Milla – Mediateca
- 18 Estación del Portillo (Cercanías)
- 19 Hoteles (Hiberus, Tryp Zaragoza, Husa Puerta de Zaragoza)
- 20 Palacio de Congresos de Aragón
- 21 Puente del Tercer Milenio
- 22 Pabellón Puente
- 23 Telecabina
- 24 Equipamiento público
- 25 Oficinas



- ▶ Housing units: 3.616
- ▶ Public facilities: 231.793 sq m
- ▶ Parks and green areas: 339.051 sq m
- ▶ Offices and commercial uses: 243.660 sq m



Open Architecture: CAT (Art & Tech Centre - 2012)

Exhibition + Creation + Residence

New Digital and Art "Fabrik"

**Engage citizens and creators in a visible project:
events + shows and training**

**An essential facility to create community and attract
creative class "hidden" in the city**



ART & TECH CENTER: THE HEART OF THE D. MILE

- ▶ Exhibition halls, Open Art, Experimental Gallery, Art Lounge (2800 sq.m indoor + 1500 sq.m out)
- ▶ Residence: 36 rooms for creators and researchers
- ▶ Media Lab: audiovisual laboratories
- ▶ Incubator for content specialist companies (24 modules)
- ▶ 4 workshops for enterprises, 4 Fab Labs and 1 electronic laboratory



**Open walkways (CAT): Pedestrian
Flows used to attract citizens to
warm public spaces**



ART & TECH CENTER (CAT): 250 places



DIGITAL ALMOZARA

OPEN ARCHITECTURE - DIGITAL WATER PAVILION (2008): A FACILITY THAT IS ALSO A PUBLIC SPACE FOR CITIZENS



OPEN ARCHITECTURE

-

**DIGITAL WATER
PAVILION: MULTIPLE
USES INCREASED BY
DIGITAL MEDIA**

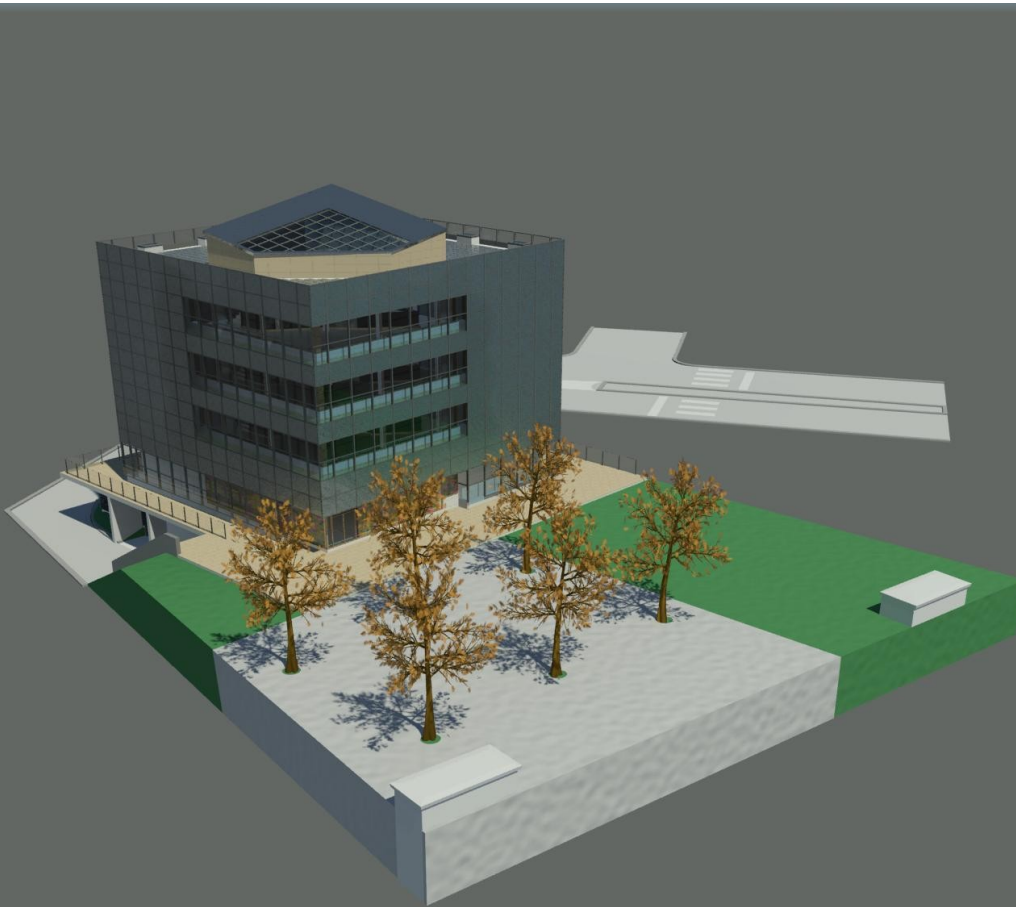


DWP- COMBINING MUSIC, LIGHTS AND INTERACTIVE DIGITAL MEDIA INSIDE A MEDIATED PUBLIC SPACE : NOT SCI-FI, BUT EXAMPLE OF D. MEDIA USES



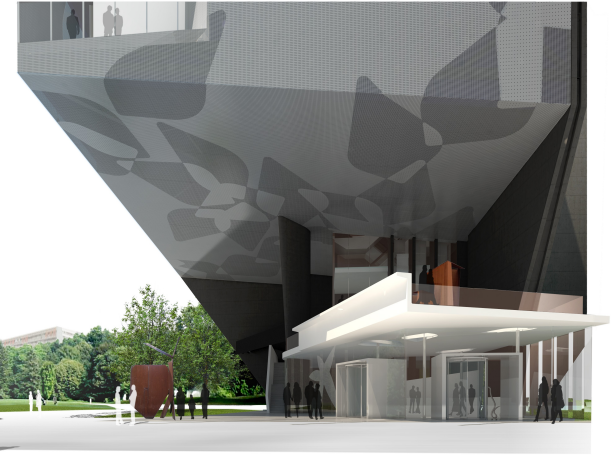
INVOLVING CITIZENS IN THE DM THROUGH ACTIVITIES

OPEN ARCHITECTURE - INCUBATOR FOR IT AND INNOVATION START UPS (2011)



- 2300 sq m building
- 750 sq m for incubation: IT and innovation start ups
- Gateway for the future DM companies
- Answer to real estate crisis: support for new entrepreneurs
- Living Lab objective: work within the DM
- Bioclimatic building: zero emmissions

Open Socio-cultural facilities: Caixaforum Contemporary Art Center (2012)



Open Broadband Networks: WiFi, Wimax, O. Fiber (end 2010 - 2011)



Broadband strategy - For citizens and for internal City Council use

▶ Wireless strategy:

- For the citizens → WiFi Mesh network
- For the municipality → WiMAX Mobile

▶ Wired strategy:

• Fiber optic network:

- For schools to complement the “School 2.0” national gov. program
- WiFi & WiMAX backhaul
- FTTH push
- Neutral public dark fiber operator to improve market competition

CONNECTIVITY AND INCLUSION: FreeWi-fi access in strategic public spaces



- Wi-Fi services in hot-Spots: access points in squares, public spaces, parks & all municipal building and civic centres
- 2009: Testing system Full coverage in the DM area and old town (60 Access Points)
- Summer 2010: All Riverbanks and Expo area covered (200 AP)
- End 2010: full coverage in 3 city center districts (400 AP)





Navega GRATIS

Form fields for usuario, contraseña, and Enviar button.

mi región

Cerrojazo del TSJPV a la oficialidad de las selecciones vascas
El Tribunal vasco sentencia la imposibilidad de que compitan contra otros países...

'El Bigotes' ingresó 153.000 € en B del PP en la cuenta personal de Correa
Los pagos 'opacos' corresponden a dos congresos 'populares' celebrados en Valencia...

Sutil mejor tiempo, Alonso séptimo y Alguersuari noveno en los libres del GP de Japón
El alemán Adrian Sutil (Force India) ha conseguido el mejor tiempo en la segunda sesión...



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COTIZACIONES Consulta los últimos resultados

Los vídeos más vistos de hoy YouTube



sube tu punto WIFI

Nuevas convocatorias para AUXILIAR del ESTADO
Laudeo Opciones

La Vida WiFi ya está en Facebook

LG Windows Phone GM750 desde 0€
Precio exclusivo online

clientes segmentados
Tenemos tu vivienda

City Council registered as telecom operator

Wi-fi access portal: networks and ads to raise funds and make the system sustainable (and legally accepted by national and EU telecom regulator bodies)

Opportunity: citizen card offering wi-fi and agreement with University



Open Software - AZ Linux Desktop migration

Some figures



2.800 PC Posts



100% Mozilla Firefox,
MozillaThunderbird



100% OpenOffice 3.1



12% GNU/Linux



100% Accesible [Z@ragoza](#) kiosks

RESOURCES

1 APPLICATIONS

2 OFIMATIC



PROTOTYPE

3 AZLinux
GNU/LINUX

COMUNICATION

TECHNICIANS' TRAINING

USERS' TRAINING

TECH. SUPPORT



Environment



+2.800 post PCs

Diff. Hardware

Diff. Businesses



+60 Servers

Files, Printing Certificates,
Internet, Mail, Security,
Document management, ...



**+100 Municipal Civic
Centres**

Essential for citizens's IT
training courses, IT
inclusion programmes
(elder people) and 'thin clients'
halls



Zaragoza
AYUNTAMIENTO

www.milladigital.es

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